SECTION 11 3100

RESIDENTIAL APPLIANCES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Kitchen appliances.

1.02 REFERENCE STANDARDS

A. UL (EAUED) - Electrical Appliance and Utilization Equipment Directory; Underwriters Laboratories Inc.; current edition.

1.03 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's data indicating dimensions, capacity, and operating features of each piece of residential equipment specified.

C. Copies of Warranties: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

A. Electric Appliances: Listed and labeled by UL and complying with NEMA standards.

1.05 WARRANTY

A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.

B. Provide five (5) year manufacturer warranty on refrigeration system of refrigerators.

C. Provide ten (10) year manufacturer warranty on magnetron tube of microwave ovens.

D. Provide ten (10) year manufacturer warranty on tub and door liner of dishwashers.

PART 2 PRODUCTS

2.01 KITCHEN APPLIANCES

A. All Equipment Eligible for Energy Star Rating: Energy Star Rated.

B. Refrigerator: Free-standing, bottom-mounted freezer, frost-free.
   1. Capacity: Total minimum storage of 18 cubic ft; minimum 25 percent freezer capacity.
   2. Energy Usage: Minimum 20 percent more energy efficient than energy efficiency standards set by DOE.
   3. Features: Include glass shelves, automatic icemaker, and light in freezer compartment.
   4. Finish: Porcelain enameled steel, color white.
   5. Manufacturers:
      a. Whirlpool Corp; Product EB9SHKXVQ: www.whirlpool.com.
      b. Substitutions: See Section 01 6000 - Product Requirements.

C. Range: Electric, drop-in, with standard burners and removable drip pans.
   1. Size: 30 inches.
   2. Oven: Self-cleaning with electronic ignition.
   3. Elements: 4.
   4. Controls: Push-to-turn knobs with electronic clock and timer.
   5. Features: Include oven door window and oven light.
   6. Finish: Porcelain enameled steel, color white.
   7. Manufacturers:

a. Whirlpool Corp; Product WDE101LV: www.whirlpool.com.
b. Substitutions: See Section 01 6000 - Product Requirements.

D. Cooking Exhaust: Range hood.
1. Size: 30 inches.
2. Fan: Single- speed, 500 cfm
3. Exhaust: Rectangular, vented to exterior.
4. Features: Include cooktop light and removable grease filter.
5. Finish: Painted steel, color white.
6. Manufacturers:
a. Whirlpool Corp; Product UXT4230AAW: www.whirlpool.com.
b. Substitutions: See Section 01 6000 - Product Requirements.

E. Microwave: Countertop.
1. Capacity: 1.5 cubic ft.
2. Power: 1200 watts.
3. Features: Include turntable.
4. Finish: White.
5. Manufacturers:
a. Whirlpool Corp; Product MT4155SPQ: www.whirlpool.com.
b. Substitutions: See Section 01 6000 - Product Requirements.

F. Dishwasher: Undercounter.
1. Controls: Solid state electronic.
2. Wash Levels: 3.
3. Cycles: 4, including normal.
4. Features: Include rinse aid dispenser, optional no-heat dry, optional water temperature boost, and adjustable upper rack.
5. Finish: Porcelain enameled steel, color white.
6. Manufacturers:
a. Whirlpool Corp; Product GU3100XTVQ: www.whirlpool.com.
b. Substitutions: See Section 01 6000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify utility rough-ins are present and correctly located.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Anchor built-in equipment in place.

3.03 ADJUSTING

A. Adjust operating equipment to efficient operation.

3.04 CLEANING

A. Remove packing materials from equipment.

B. Wash and clean equipment.

END OF SECTION